MINTRA RUENSUK

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Google Scholar
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RESEARCH INTERESTS

Human-Computer Interaction (HCI), Human-Centered Design (HCD), Affective Computing, Software Engineering

EDUCATION

2017 - 2021	**Ph.D. in Design Engineering** (Human-Computer Interaction)
	Ulsan National Institute of Science and Technology (UNIST), Republic of Korea
	Thesis: Detecting Salient Emotional States During Real-world Social Media Use Using Smartphone Sensors
	Advisor: Ian Oakley and Hwajung Hong
2010 - 2012	**M.Sc. in Computer Science** (with specialization in Software Engineering)
	Asian Institute of Science and Technology (AIT), Thailand
	Thesis: Voice, Gesture, and Web Interfaces for Human-Robot Interaction in Service Environments
	Advisor: Matthew N. Dailey
	Committee: Masahiko Nagai and Stanislav S. Makhanov
2005 - 2009	**B.Sc. in Information Technology** (First-class honors, rank 1/120)
	Mahanakorn University of Technology (MUT), Thailand
	Senior project: Information Technology Jobs Matching By Groovy on Grails
	Advisor: Suthep Vichiendilokkul

EXPERIENCE

09/2017 - present	**Research Assistant**
	UNIST and Seoul National University, Republic of Korea
09/2020 - present	**Lead Software Engineer** (Part-time)
	Perception | Holographic Computer Startup, Thailand
07/2015 - 08/2017	**Lecturer / Acting Head of Department**
	Department of Information Technology, Stamford International University, Thailand
08/2016 - 12/2016	**Visiting Lecturer**
	Faculty of Engineering, Thammasat University, Thailand
12/2014 - 06/2015	**Lecturer**
	Department of Computer Science, Rajamangala University of Technology Thanyaburi, TH
06/2012 - 06/2015	**Senior Software Engineer**
	Think Blue Data, Thailand
08/2010 - 06/2012	**Research Assistant**
	Asian Institute of Science and Technology, Thailand
05/2009 - 08/2010	**Lecturer**
	Faculty of Information Science and Technology, Mahanakorn University of Technology, TH
03/2008 - 05/2008	**Java Programmer Student Intern**
	XPLink, Thailand

PRIZES, AWARDS, AND FELLOWSHIPS

08/2020	**First Place Winner** (contributed as a Web Master of Bangkok ACM SIGCHI Chapter)
	2020 SIGCHI Chapter Website Competition
07/2019	**ACM SIGCHI travel grant**
	$800 travel grant for attending the Summer School on Write a paper for CHI 2020, India
05/2019	**ACM SIGCHI Student Travel Grant (SSTG)**
	Conference registration waiver and $1,800 travel grant for attending CHI'19, UK

05/2019	**Student Design Competition** *(advance to the second round)*	

05/2019   **Student Design Competition** *(advance to the second round)*
ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'19), UK

04/2019   **Outstanding Poster Presentation Award**
SIGCHI Korea Local Chapter at Daejeon, Republic of Korea

10/2018   **ACM SIGCHI Student Travel Grant (SSTG)**
Conference registration waiver and $600 travel grant for attending Ubicomp'18, Singapore

2017 - 2021   **UNIST CDE Scholarship**
4 years awarded for tuition and stipend for Ph.D. studies

2010 - 2012   **Royal Thai Government Fellowship**
2 year awarded for tuition for graduate studies

2005 - 2009   **Mahanakorn University of Technology Scholarship for Outstanding Students**
4 year awarded for tuition for undergraduate studies

VOLUNTEER EXPERIENCE

07/2021 - present   **Chair**
Bangkok ACM SIGCHI Chapter

07/2020 - 06/2020   **Web Master**
Bangkok ACM SIGCHI Chapter

05/2019   **Student Volunteer**
ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'19), UK

10/2018   **Student Volunteer**
ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp'18), Singapore

JOURNAL AND CONFERENCE PAPERS

[J.1]   2020   **Mintra Ruensuk**, Eunyong Cheon, Hwajung Hong, and Ian Oakley. 2020. How Do You Feel Online: Exploiting Smartphone Sensors to Detect Transitory Emotions during Social Media Use. Proc. ACM Interact. Mob. Wearable Ubiquitous Technol (IMWUT, Ubicomp). 4, 4, Article 150 (December 2020), 32 pages. DOI: https://doi.org/10.1145/3432223 (Rank A* in HCI)

[C.3]   2020   Taewan Kim, **Mintra Ruensuk**, Hwajung Hong. 2020. In Helping a Vulnerable Bot, You Help Yourself: Designing a Social Bot as a Care-Receiver to Promote Mental Health and Reduce Stigma. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI'20). DOI: https://doi.org/10.1145/3313831.3376743. (Rank A* in HCI)

[C.2]   2019   Sanghyun Ma, **Mintra Ruensuk**, Chajoong Kim. 2019. Design interventions for promoting the mental health of young academics. In Proceedings of the Design Society: International Conference on Engineering Design (ICED19). DOI: https://doi.org/10.1017/dsi.2019.95

[C.1]   2016   **Mintra Ruensuk.** 2016. An implementation to reduce internal/external interruptions in Agile software development using Pomodoro Technique. In Proceedings of 15th IEEE/ACIS International Conference on Computer and Information Science (ICIS 2016). Okayama, Japan, 669 - 672. DOI: https://doi.org/10.1109/ICIS.2016.7550835

POSTERS, EXTENDED ABSTRACTS AND WORKSHOP PAPERS

[P.3]   2019   **Mintra Ruensuk**, Hyunmi Oh, Eunyong Cheon, Hwajung Hong, Ian Oakley. 2019. Detecting negative emotions during social media use on smartphones. In Proceedings of Asian CHI Symposium 2019: Emerging HCI Research Collection (AsianHCI '19). DOI: https://doi.org/10.1145/3309700.3338442

[P.2]   2019   **Mintra Ruensuk**, Jayeong Yoon, and Choeun Park. 2019. Amor: Supporting Emerging Adult Couples to Manage Finances for a Common Goal. In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19). (13% acceptance) DOI: https://doi.org/10.1145/3290607.3309688

[W.1]   2018   **Mintra Ruensuk.** 2018. Detecting Emotions using Smartphone Sensors: Technique to Raise Self-Awareness for Social Media Users. In Proceedings of the 2018 ACM International Joint Conference and 2018 International Symposium on Pervasive and Ubiquitous Computing and Wearable Computers (UbiComp '18). DOI: https://doi.org/10.1145/3267305.3277825

[P.1]   2017   Sirisilp Kongsilp, **Mintra Ruensuk**, Matthew N. Dailey, and Takashi Komuro. 2017. Tablet fish tank

virtual reality: a usability study. In Proceedings of the 27th International Conference on Artificial Reality and Telexistence and 22nd Eurographics Symposium on Virtual Environments: Posters and Demos (ICAT-EGVE '17). DOI: https://doi.org/10.2312/egve.20171377

NATIONAL CONFERENCE PAPERS

[N.2] 2015 **Mintra Ruensuk**, Buraskorn Yoosuka and Pongpol Nilaphruek. A Special Capstone Course for Exchange Students on Agile Software Development Using Scrum Methodology, in PKRU Conference on Development of New and Innovation Research for the AEC.

[N.1] 2010 **Mintra Ruensuk**, Woraphon Lilakiatsakun. Information Technology Jobs Matching By Groovy on Grails, in Proceedings of Conference on Electrical Engineering/Electronics Computer Telecommunications and Information Technology (ECTI-CARD'2010)

TEACHING

2015 - 2017 **Stamford International University** (Courses entirely taught in English)
ITE445 Mobile Games Development
ITE442 Database Management Systems
ITE343 Mobile Application Development (iOS and Android)
ITE337 Content Management Systems
ITE321 System Analysis, Design and Implementation
ITE245 Human-Computer Interaction
ITE235 Mobile and Computer Architecture
ITE233 Application Development
ITE222 Programming II
ITE221 Programming I
ITE220 Web Development II
ITE120 Web Development I
ITE101 Introduction to Information Technology
MIS103 Computer Applications

2016 **Thammasat University**
SF-333 Mobile Application Development (iOS)

2010 **Mahanakorn University of Technology**
ITEC1224 Modern Programming Language (Java)

TECHNICAL SKILLS

Programming language   Python, Java, Swift, PHP, Ruby, C/C#, JavaScript, HTML5, CSS

Web/Mobile Stack & Tools Android, Laravel, Ruby on Rails, Bootstrap, jQuery, Selenium, Wordpress, MySQL, PostgreSQL, Firebase, CLI

Research   Machine Learning, Qualitative Research, Quantitative Research, Experimental Design, Data Analysis, UX Design